|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **YEAR 1 (2014/15)** | | | | | |
| Maize control | Sole Groundnut | Groundnut+PP | Sole PP | Maize +PP | Groundnut+PP |
|  |  |  |  |  |  |
| Groundnut+PP | Maize +PP | Maize control | Groundnut+PP | Sole Groundnut | Sole PP |
|  |  |  |  |  |  |
| Groundnut+PP | Sole Groundnut | Groundnut+PP | Sole PP | Maize +PP | Maize control |
|  |  |  |  |  |  |
| Maize control | Maize +PP | Sole PP | Groundnut+PP | Sole Groundnut | Groundnut+PP |

Simplified mother trials design

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **YEAR 2 (2015/16)** | | | | | |
| Maize control | Maize | Maize | Maize | Maize +PP | Maize+PP |
|  |  |  |  |  |  |
| Maize+PP | Maize +PP | Maize control | Maize | Maize | Maize |
|  |  |  |  |  |  |
| Maize | maize | Maize+PP | Maize | Maize +PP | Maize control |
|  |  |  |  |  |  |
| Maize control | Maize +PP | Maize | Maize+PP | maize | Maize |

**Notes**

* 16 sites (4 in each action site) beginning 2014-15 season
* Design enables us to obtain base yields through control treatment
* LER can be calculated from Year 1 results
* Year 2 results quantitatively indicate benefits of doubled up system on maize in sequence
* Maize + PP and Groundnut + PP and then both followed by ‘maize +PP’during year 2 contrasts the continuous ‘maize+PP’ established traditional cropping system with the new ‘groundnut+PP - maize+PP sequence’